

Title (en)
ARC EXTINGUISHING UNIT AND AIR CIRCUIT BREAKER COMPRISING SAME

Title (de)
LICHTBOGENLÖSCHEINHEIT UND LUFTLEISTUNGSSCHALTER DAMIT

Title (fr)
UNITÉ D'EXTINCTION D'ARC ET DISJONCTEUR À AIR LA COMPRENANT

Publication
EP 4336534 A1 20240313 (EN)

Application
EP 22799035 A 20220422

Priority
• KR 20210058705 A 20210506
• KR 2022005792 W 20220422

Abstract (en)
Disclosed are an arc extinguishing unit and an air circuit breaker comprising the same. An arc extinguishing unit according to an embodiment of the present invention provides: side plates spaced apart from each other and disposed to face each other; a plurality of grids disposed between the side plates, spaced apart from each other, and coupled to the side plates, respectively; a magnet unit forming a magnetic field for changing a path of an arc formed between a fixed contact and a movable contact disposed to be spaced apart from the fixed contact, and disposed adjacent to the outermost grid adjacent to the fixed contact among the plurality of grids.

IPC 8 full level
H01H 31/02 (2006.01); **H01H 33/08** (2006.01)

CPC (source: EP KR)
H01H 9/443 (2013.01 - EP); **H01H 31/023** (2013.01 - KR); **H01H 33/08** (2013.01 - KR); **H01H 73/18** (2013.01 - EP); **H01H 9/346** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4336534 A1 20240313; CN 117280435 A 20231222; KR 102666104 B1 20240520; KR 20220151447 A 20221115;
WO 2022234990 A1 20221110

DOCDB simple family (application)
EP 22799035 A 20220422; CN 202280033158 A 20220422; KR 20210058705 A 20210506; KR 2022005792 W 20220422